

# FOLIO

## Fall Convocation 1982

*Fall Convocation was held on 20 November. Underscoring the occasion was the following Report to Convocation given by President Horowitz.*

Eminent Chancellor. I know that all members of our University family—your colleagues on the Board of Governors and on Senate, the students, staff and alumni—join me in congratulating you on your election to the position of Chancellor and in wishing you well as you preside at this your first regular Convocation.

Ladies and gentlemen. John Schlosser, the Chairman of our Board of Governors, had planned to welcome you on behalf of the University. I know how sorry he is to have to miss Convocation—this is the first time he is absent from Convocation in the more than four years since he became Chairman. Only the lack of mobility that accompanies a severely sore back keeps him from being here. On his behalf, and in the name of our Board of Governors, I welcome all of you, I congratulate those of you who are parents, husbands and wives, and children of those who are graduating this afternoon, and I wish you who are graduands much success, excellent health, and great personal joy as you embark on a lifetime of service to others.

Thank you Your Lordship, the Chief Justice, for joining the Chancellor and me on the dais this afternoon.

We are celebrating a birthday during this academic year. On 1 January next it will be seventy-five years since Henry Marshall Tory assumed the presidency of this

University. Seventy-four years ago this past September our University registered its first class of fewer than fifty students—all in general Arts and Science. As Dr. Tory recalled in May of 1928, when he addressed

Convocation for his last time as President: "It was a period of pioneering, the day of small things. There were no buildings, no equipment, no staff, and no traditions, except the common traditions of organization and scholarship characteristic of the people from whom we had our origin."

While we must be careful to measure growth and development not only in numbers, I think it is interesting, Mr. Chancellor, to compare the situation during those early years with what is the reality today. The 21,400 full-time students we registered in September represent a record enrolment by more than 1,000. We add to that number the 3,600 people who are proceeding for graduate or undergraduate degrees on a part-time basis. And let us not forget the more than 35,000 registrations in non-credit courses, seminars, and workshops offered by our Faculty of Extension.

In his first year, President Tory had four academic staff colleagues. I have 1,800 who have permanent academic appointments. Our entire staff—full and part-time: permanent and temporary; academic and non-academic—number more than 7,000. And among my colleagues are many who have been honored by other universities, by professional associations, by learned societies, and by the community generally.

While the value of our dollar may have more in common with a 1908 cent than a 1908 dollar, it is still striking to compare the first operating budget of \$13,159.93 with the one this year totalling more than \$200 million.

In recent months, Mr. Chancellor, we have developed a number of proposals for new programs, all of which await government decision on funding: an Institute for the Study of Learning Disabilities; a doctoral program in Business Management;



*Chancellor Savaryn makes sure that another graduate (and tradition) is well served.*

master's programs in Adult and Higher Education, Applied Geology, Community Nursing, Speech Pathology, Occupational Therapy and Applied Statistics; and undergraduate programs in Cell Biotechnology and Computer-Assisted Cartography. Just this past Thursday the Finance Committee of our Board of Governors endorsed our most recent proposal for a new program—this one at the undergraduate level in Construction Engineering. In addition, we have proposed expansions of our offerings in Computing Science and Chemical Engineering and at Faculté Saint-Jean.

We have come a long way since those early days at the turn of the century. In none of our activities is this more evident than in research and development. In some fields research funding has doubled and tripled in just a few years. Our scholars during

this year are attracting more than \$50 million in research and contract funding which enables us to explore the unknown and, in so doing, to serve society.

I am very proud of the people at this University and I am honored to be serving as President during this 75th Anniversary Year. But where do we go from here? Our theme for this year is "Scholarship and Innovation: What We Do Affects You." I know that the people of this province, and of Canada and beyond, continue to expect us to contribute through our teaching and our research. There are many programs yet to be developed; and numerous problems yet to be explored and solved.

We need additional people, and we desperately require more high quality space. An institution like this one cannot experience an increase of more than 1,500 full-time and 200

part-time students without there developing new stresses and pressures—in the increased size of too many of our classes; in the shortage of sections in some of our courses; and in the insufficient space in the libraries, in the teaching and research laboratories, and in the other facilities that are required by our staff and students.

We truly appreciated receiving public funding for a number of facilities associated with the forthcoming World University Games and for the new building for our Faculty of Business. In this regard I want to thank publicly the support of our recent Minister, the Hon. Jim Horsman, and to wish him well in his new portfolio as Minister of Federal and Intergovernmental Affairs. Now we shall need additional positive decisions for a number of new facilities and for the massive reconstruction and renovations that are required in our oldest buildings.

I project ahead, in part, by looking back. I echo President Tory who said at this University's very first Convocation in October 1908: "I consider that the extension of the activities of the University on such lines as will make its benefits reach directly or indirectly the mass of the people, carrying its ideals of refinement and culture into their homes and its latent spiritual and moral power into their minds and

hearts is a work second to none that can be undertaken by any government." That sentiment is as valid today as it was when the University began. As of yesterday, we have a new Minister of Advanced Education. I congratulate the Hon. Dick Johnston and wish him well. He should expect to hear from me—soon and often.

But Henry Marshall Tory said something else on that Convocation Day in the fall of 1908. He mentioned the first two gifts this University received: from Premier Rutherford, in his private capacity, a complete set of books on Canada for the library, valued then at \$5,000; and from an anonymous donor, \$500 to be used for scholarships to worthy students. Gifts from citizens were on the first President's mind, as they are on mine. He said more than seventy-four years ago: "There never was an enterprise into which private citizens could enter with greater benefit to themselves and to the community than in helping a university."

The great universities of this continent and of the world—whether private or public—have all depended on gifts from individuals and foundations, and from business and labor groups. Here, too, if we are to achieve excellence we must establish more endowed professorships, we must add specialized physical facilities and scientific and technical equipment, we must enhance our library holdings and our special collections, and we must attract the endowment funds that will enable us to increase the number of fellowships, scholarships, and bursaries. With optimism, and without embarrassment, therefore, we shall be asking students and their families, and alumni, staff, and other friends of the University to contribute to our 75th Anniversary Appeal. A special incentive in this province is the government's matching grant arrangement. You give us one dollar and we receive two—truly magic—one dollar from you and the other from the people of Alberta. Fear not. I am not about to ask the

marshals to "pass the hat" (or should I say "pass the mortarboard") although if our attractive Convocation mace were used as a club, it might be a very effective incentive. But there will be no financial campaign today. Mind you, if you feel the urge to give, I shall receive as I circulate at the tea following Convocation.

We are celebrating our birthday by doing what universities do best: through the year we shall have numerous plays, concerts, recitals, readings, exhibitions, lectures, seminars, symposia, workshops, sports events, open houses, scholarly meetings, and special convocations. Visit us on any of these occasions. You will be most welcome. We shall culminate our anniversary celebrations in July when, together with the city, of which we are a part, we shall host and welcome the world to Universiade '83 and to Kaleidoscope, the complementary international cultural festival. Please plan to return to this campus and to this city and to join us for a happy time. □

## FOLIO

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## Senate Meeting Sparks Lively Debate

On Friday, 19 November, while the snow fell and the temperature outside took a nose dive, the University Senate met in the Council Chamber of University Hall for what has since been described as one of the "liveliest" meetings of Senate in some time. Peter Savaryn, University Chancellor, chaired his second full meeting of Senate and took an active role in leading the sixty-two member group through an agenda which caused sparks to fly and hackles to rise. Calmness, traditionally the trademark of Senate meetings, did reign early on, however, as Senate handled a number of items with dispatch.

### Hail and Farewell

Doris Badir, Dean of Home Economics who for the past three years has been a representative of Dean's Council on Senate, was thanked for her active participation as a member of many Senate committees and task forces. Frank Jones, Dean of Law, was welcomed as the new representative of Dean's Council.

### Activities in Review

After Chancellor Savaryn highlighted his many activities of the past few

months, President Horowitz announced that the University had recently received a major donation "by a good friend of this University." To the applause of the gathering he went on to say that much of the anonymous \$150,000 (eligible for a matching grant from the provincial government) will go towards the establishment of a new endowment fund for the improvement of teaching. "We have a major responsibility to our faculty, particularly to our young faculty," he explained. "This new fund will provide for workshops, seminars, and experts in teaching techniques to assist in the vital area of teaching improvement."

The President also announced that the 1982-83 academic year has the highest enrolment in the University's history (21,424 as of 25 October), topping the record 20,407 set in 1976-77.

Next up was Mary Totman, Executive Officer of the Senate, who announced in her report that a decision had been made concerning the allocation of the Jean B. Forest Prize. The scholarship, established in honor of Mrs. Forest, Chancellor

Emeritus, at the time of her retirement as Chancellor (see *Folio*, 15 July), will go to a mature student returning to The University of Alberta to do undergraduate work in the Faculty of Education.

### "I am Beaming"

Shortly after 10 a.m., the Senate learned that the new Minister of Advanced Education was to be the Hon. Dick Johnston, formerly Minister of Federal and Intergovernmental Affairs. "I want Senate to know that I am beaming," exclaimed Dr. Horowitz. "Dick Johnston will be a good fighter and I just have to believe that his appointment indicates that Advanced Education has been identified as an important ministry which will hold a key place in the new cabinet."

A vote of thanks to outgoing Minister Jim Horsman and a warm welcome to the new minister received hearty endorsement by Senate.

### Second Languages: a Second Look

Much of the morning was given to the next item on the agenda, a follow-up report by the Senate Task Force on Second Languages. The initial report

of the task force was presented in May 1981 and at that time recommendations in the report were forwarded to various government departments, agencies, and associations as well as to appropriate University departments and faculties. The purpose of the follow-up report presented to Senate last Friday was to present the various responses received and to bring members up to date on what were deemed to be "noteworthy developments."

Senate reaction to the report was swift and varied. George Baldwin, Vice-President (Academic), expressed reservations about the interim report for not reflecting the "substantial and significant amount of thought that went in to the responses by various faculties." And he agreed with Senator Peter Hunt's statement that "we must learn to walk before we can run." "The crucially sorry state of English competency is pre-occupying scores of us," explained Dr. Baldwin in making a case for concentrating on English and French instruction at this point.

Manoly Lupul, Director of the Canadian Institute for Ukrainian Studies and an invited guest of Senate, attacked the view held by Dr. Baldwin, Mr. Hunt, and other Senators. "It is outrageous that in this day and age we find the Baldwins, the Hunts, and the Leadbeaters lined up against the Lobays, the Savaryns, and the Lupuls," he said in a statement that clearly angered some members of Senate. "All that second language training can bring us is benefits," he continued. "It is insufficient to say that just because our English is not adequate we should leave all else alone."

Debate surrounding the issue continued at length, with D. V. Parker, Faculty of Education, giving Senate an overview of the existing situation in the training of second language teachers and a representative of the Alberta Ethnic Language Teachers' Association making a case for multi-language instruction.

In the end, it was decided that a second follow-up report would be prepared in twelve months time. Senator Sherburne McCurdy, President of Alberta College, concluded the discussion by expressing regret that debate on a topic of such importance should be marred by personal attack.

#### *Presentations and Reports*

After a presentation by Ross Macnab, Vice-President (University) for Universiade '83 and a film about the forthcoming World University Games, Senate had a brief tour of the new Student Access Centre, lunched in Dinwoodie Lounge, and then reconvened to hear an excellent presentation by Jannetta MacPhail, Dean of the Faculty of Nursing. Stressing the need for anticipatory assistance as well as preventative help, Dr. MacPhail spoke of the importance of educating for the future and expanding the role of nursing research. The presentation was well received and was followed by an active

discussion period centring around the future of nursing roles and patient care.

Senate heard from several other committees, including the Committee of Lay Observers to Quota Faculties. The question of quotas sparked a lively debate which touched on several key issues including the availability of jobs for university graduates, the reasons for maintaining quotas, and the possibility of additional quota restrictions in the future.

The final item on the floor was a motion by Senate member Harlan Hulleman that Senate again express its concern about non-compulsory comprehensive examinations. After

some debate, it was agreed that more information was needed before Senate was prepared to deal with this important issue, and the motion was tabled.

As the meeting concluded and the post-mortems began, it was evident that for all its heated debate and controversy, the November meeting had fulfilled an important part of the Senate's mandate: that of providing an open forum for public debate. As Chancellor Savaryn summed up: "It is important that everyone has an opportunity to express an opinion: if sparks fly, so be it." □

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## Provincial Laboratory of Public Health Observes 75th Birthday

The Provincial Laboratory of Public Health, which is administered by The University of Alberta, celebrates its seventy-fifth birthday today. It is thus a few months older than the University itself, having originally been established as a provincial government institution. The Provincial Laboratory was one of the first public health laboratories to be established in western North America, and is unique in being the only such laboratory in Canada to be a university institution.

The Provincial Laboratory was constituted on 2 December 1907 by order in council as a branch of the Provincial Department of Agriculture and housed in the east end of the Terrace Building in Edmonton. D. G. Revell was appointed Director and Provincial Bacteriologist, the latter title also being granted to all his successors as director.

In 1911, following discussions in which the Premier, the Honourable A. L. Sifton, was personally involved, the Provincial Laboratory was transferred

to The University of Alberta and occupied space in the basement of the north wing of Athabasca Hall. Dr. Revell resigned as director when he was appointed Professor of Anatomy in 1914, and A. C. Rankin was named Director of the Provincial Laboratory and Professor of Bacteriology.

During World War I, Dr. Rankin served in the armed forces and H. Jamieson was Acting Director of the Laboratory. On his return in 1919, Dr. Rankin resumed his post as director and was also appointed the first Dean of Medicine, holding both posts until his retirement in 1945. In 1921, R. M. Shaw, who was eventually to succeed Dr. Rankin as director, joined the staff as assistant bacteriologist and, because of Dr. Rankin's other commitments, was responsible for the daily activities of the laboratory. Also in 1921, the laboratory was moved to the basement of the east wing of the newly constructed Medical Building. In a report to the Senate on 11 May 1922, President H. M. Tory stated: "Our Public Health Laboratories now rank with the best in Canada . . ." Among those who made significant contributions in the following years was J. J. Ower, who was in charge of the pathology division of the laboratory in addition to being Professor of Pathology. He later succeeded Dr. Rankin as Dean of Medicine. From 1939 to 1943, Dr. Rankin was again away on war service, and Dr. Shaw was Acting

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## Faculties Set for Open House

Three Faculties at the University will open their doors to the public this weekend in the third of a series of open houses scheduled throughout the 75th anniversary year.

Arts, Law, and Library Science will participate in the weekend activities which will include concerts, exhibits, historical displays, and tours.

The Faculty of Arts Open House will run for three days, beginning at noon on Friday with the third in a series of "Celebrations" (see *Folio*, 25 November). A Christmas concert will be held in Convocation Hall at 8 p.m. Friday evening, and on Saturday, at 2 p.m. in Studio Theatre, BFA students will present "The Persecution and Assassination of Jean-Paul Marat." A design exhibit will be held on Saturday and Sunday in Fine Arts

and the weekend Open House will conclude on Sunday afternoon with a concert by the Edmonton Youth Orchestra, also in Convocation Hall.

The Faculty of Law Open House will be held on Saturday only and will feature historical displays and guided tours of the Law Centre.

Rutherford Library South will be the locale of the Faculty of Library Science Open House which will take place on Friday and Saturday. Staff and students will be on hand to answer questions and numerous displays and video presentations will be available.

More information on the Faculty Open Houses may be obtained by calling the Office of Community Relations at 432-2325. □

Director of the Provincial Laboratory during this period.

R. M. Shaw became Director of the Provincial Laboratory and Professor and Head of the Department of Bacteriology in 1945. He supervised the planning of a new Provincial Laboratory building west of the University of Alberta Hospital. This was opened in 1950, the year he was succeeded by R. D. Stuart as Director and Head of Bacteriology, and also the year that a branch laboratory at Calgary was opened in "temporary quarters" in the grounds of the Baker Memorial Sanitarium, Bowness, under the directorship of D. Shute. The Provincial Laboratory building in Edmonton was extended to the north in 1959 and, when virological work was begun, a new south wing was completed in 1965. During this period, valuable services to the laboratory were provided by J. W. Macgregor, Provincial Pathologist and Professor of Pathology, and C.R. Amies, Senior Assistant Bacteriologist, who later became Professor of Preventive Medicine.

In 1967, Dr. Stuart was succeeded by J. M. S. Dixon as Provincial Laboratory Director and Professor of Bacteriology, the laboratory having had only five directors during its life of seventy-five years. Dr. Shute retired from the Calgary branch laboratory in 1973 and in 1976 C. M. Anand was appointed director. In August 1982, the Provincial Laboratory, Edmonton, moved to new quarters in the Mackenzie Health Sciences Centre because the space occupied by the Provincial Laboratory building was needed for Phase 2 of the Centre. The Provincial Laboratory building has now been demolished. In February 1982 the Calgary branch moved into new quarters at the Foothills Hospital, Calgary.

When first established, the Provincial Laboratory provided services related to public health in microbiology, chemistry, and pathology. As other laboratory facilities were opened in the province, the work became increasingly specialized. When the pathology services were transferred to local hospital laboratories in 1974, the Provincial Laboratory became exclusively a microbiology facility. The Provincial Laboratory in Edmonton and its southern branch in Calgary now provide diagnostic and public health microbiology services,

including bacteriology, virology, mycology, and parasitology, to physicians, hospitals, health units, and other health authorities throughout Alberta. Funding for the Provincial Laboratory is provided to the University by Alberta Social Services and Community Health.

Two national microbiology reference services have been established at the Edmonton laboratory. They operate in conjunction with the Laboratory Centre for Disease Control, Health and Welfare Canada. The National Reference Service for Diphtheria was established in 1978 and the National Reference Service for Typing Group A Streptococci in 1981. They provide specialized services to other microbiology laboratories throughout Canada and also in foreign countries.

The Provincial Laboratory, Edmonton, has more than 180 staff members and the Calgary branch another fifty. All are pleased and proud to be part of The University of Alberta and to join in the 75th birthday celebrations of our slightly younger "parent." The associations with the University for more than seventy years, with the Faculty of Medicine since its foundation, and with the Department of Bacteriology (now the Department of Medical Microbiology) since its inception, have been close, cordial and, we believe, mutually beneficial. The Provincial Laboratory looks forward to many more years of rewarding association with the University.\* □

*\*This article was written by J. M. S. Dixon, Director of the Provincial Laboratory of Public Health*

## people

David Jones (Law) recently delivered a paper on "Natural Justice and Fairness in Administrative Law" to a seminar organized by the Canadian Institute for the Administration of Justice in Montreal.

Shrawan Kumar (Physical Therapy) presented two papers at the 8th Triennial Congress of the International Ergonomics Association held in Tokyo, Japan, 23 to 27 August. The papers were entitled: "Dynamic loading of static trunk" and "Energy consumption of weight lifting in different techniques."

Dr. Kumar also chaired one of the sessions at the Congress.

Dr. Kumar undertook a lecture tour of India in July and August and delivered ten lectures. Six of these were presented at the All India Institute of Medical Sciences, New Delhi; Institute of Medical Sciences, B.H.U., Varanasi; Moti Lal Nehru Medical College, Allahabad. The other four lectures were delivered at the Central Labour Institute, Bombay; and the Department of Zoology at the University of Allahabad.

Alexandra Munn (Music), recently appointed Music Advisor to the Western Board of Music, was guest speaker at the Annual Awards Recitals October-November in Edmonton, Peace River, Calgary, and Lethbridge.

She has accepted an invitation to be a member of the Alberta Foundation of the Canadian Music Centre.

James A. Rogers (Pharmacy and Pharmaceutical Sciences) attended the 33rd National Meeting of the Academy of Pharmaceutical Sciences (APS) in San Diego, 14 to 18 November.

More than 1,000 leading pharmaceutical scientists attended the five-day conference. A number of the registrants represented nations other than the United States.

Among the topics discussed during the meeting were advances in drug delivery, technical interactions with U.S. Food and Drug Administration, and validation of bioanalytical procedures.

## The Fate of the Bleachers

The observant will have noticed the disappearance of the bleachers from the west side of the University football field. The bleachers will be reassembled at The University of Alberta Tennis Centre at Michener Park to seat spectators for the Universiade '83 tennis venue. The football field will be provided with new, improved bleachers, which will be obtained from the Universiade Pavilion after the games have been completed.

In May of 1965 the University proposed the construction of a 3,000-seat concrete grandstand. However, the open green wooden

bleachers mounted on a metal frame were installed due to the strenuous objections of Windsor Park residents and Edmonton City Council.

The original wooden bleachers, enclosed at the back and sides to discourage cold winds, were destroyed in the early 1940s by a Windsor Park resident burning weeds. Because intercollegiate sports had been discontinued during and directly after the Second World War, bleachers were not needed for several years. However, when the Golden Bears re-emerged, old bleachers were rented from the city and used until the mid-1960s. □

## Please be Careless, Director of Campus Security Pleads

I am serious. You probably have no idea how difficult you make it for me when you lock your office, even if you're away for a short time. Some of you are so inconsiderate as to keep your wallets on your person or lock your purse in desk drawers and keep the key.

If I am going to make a success of my career, you'll have to be more cooperative. Some of you do help a lot — like leaving your watches or rings in the washrooms, or leaving your calculators in carrels while you go

away for awhile. I like that. Oh yes, you are most helpful if you don't bother to lock your bikes, or if you do, leave them in some remote area or don't bother to check back once in a while.

It's great fun for me to wander through offices and labs and no one even bothers to ask what I am doing there, although some of you have the nerve to call Campus Security at 5252 and report me.

Come on, help a thief, please be careless. . . . □

APS is a subdivision of the American Pharmaceutical Association, the national professional society of pharmacists. Its members include pharmaceutical scientists, pharmacists practicing in a variety of settings, pharmacy educators, and students.

*G. A. Rothrock* (History) participated in the fortress study and discussion meetings of the Menno van Coehoorn Society in Naarden and Amsterdam, The Netherlands, during the summer.

The Department of Pharmacology was particularly delighted that the Nobel laureate in Medicine this year is *John Vane*. Dr. Vane visited the department and the Faculty of Medicine some years ago as a W. C. Mackenzie Visiting Professor outlined, in a series of seminars, the work for which he has been awarded the Nobel Prize. He proved

also to be a most entertaining visitor and those fortunate enough to meet with him remember his visit as one of the most stimulating we have experienced. A further point of interest is that *John Burka*, currently a Heritage Foundation Scholar and Assistant Professor in the Department of Pharmacology here, worked with Dr. Vane as a postdoctoral fellow. The study of prostaglandins which formed the work for which Dr. Vane was awarded the prize has been an important advance in pharmacology, and several staff members in the department here, as well as Dr. Burka, are interested in these potent and mysterious compounds.

*H. Wohlfarth* (Extension) has been elected to a second four-year term as a member of the Board of Directors of the Academy Leonardo da Vinci, Rome, Italy. He has also been appointed an Associate Editor of the *International Journal for Biosocial Research*, U.S.A.

## service information

All information to be included in this column must reach the Office of Community Relations by 9 a.m. the Thursday prior to publication.

### Coming Events

#### Lectures and Seminars

##### Informal Italian Colloquia

Are held on Thursdays from 1 to 2 p.m. in the Department of Classics Faculty Lounge. They are open to anyone wishing to practice their Italian. 1-37 Humanities Centre.

##### Department of East Asian Languages and Literatures and the Consulate of Japan

2 December, noon Kazuko Inoue, International Christian University, Tokyo, Japan, will speak on "Discourse Initial Sentences in Japanese." 2-33 Humanities Centre.

##### Alberta Heritage Foundation for Medical Research

2 December, noon Robin Edgar Callard, Immunology Research Centre Medical School, University of Sydney, Australia, will present a seminar entitled "Analysis of subpopulations (T cells, macrophages) involved in human antibody responses to influenza virus *in vitro*." Dr. Callard is an internationally known expert in the human lymphocyte immune responses *in vitro*. 866 Medical Sciences Building.

13 December, 4 p.m. George E. Kenny, Professor and Chairman, Department of Pathobiology, University of Washington, Seattle, will present a seminar entitled "Theory of ELISA's Using Crude Antigens." M-137 Biological Sciences Building.

##### Department of Anthropology

2 December, 3:30 p.m. Miguel León-Portilla of the National University of Mexico will hold an informal seminar on the topic "The Aztec Cannibalism Controversy." 14-6 Tory Building.

##### Faculty of Extension

3 December, 12:15 p.m. N. Stehr, Department of Sociology, will speak on "The Salt of Social Science: The Use of Social Science Knowledge." Music Room, Edmonton Public Library.

10 December, 12:15 p.m. H. Roberts, Faculty of Extension, will speak on "The Extension Function of the University." Music Room, Edmonton Public Library.

##### Department of Geography

3 December, 3 p.m. Fred Boal of Queen's University, Belfast, will lead a colloquium by giving a paper entitled "The frontier in the city: ethnic interaction in Belfast." 3-36 Tory Building.

##### Department of Zoology

3 December, 3:30 p.m. Michael Ruse, Department of Philosophy, University of Guelph, will present a seminar entitled "Darwinism 100 years on." CW306 Biological Sciences Building.

10 December, 3:30 p.m. Thomas Reimchen, Drizzle Lake Preserve, Queen Charlotte Islands, British Columbia, will speak on "Structural and functional aspects of bony lateral plates in the Threespine Stickleback." 345 Earth Sciences Building.

##### Faculté Saint-Jean Conference

3 and 4 December, 9 a.m. to 4:30 p.m. Papers will be presented on various domains of research about the French fact in western Canada: Literature, History and Civilization. Panels will also be conducted on the works of Georges Bugnet, on the French theatre, on the French publications in western Canada and on French education in the west as opposed to bilingual education. Faculté Saint-Jean, Lecture Theatre 003.

##### Department of Botany

8 December, 3:30 p.m. Kevin Timoney, Department of Botany, will present a seminar entitled "Island Biogeography of higher plants in Lake Nipigon, Ontario." M137 Biological Sciences Building.

##### Limnology and Fisheries Discussion Group

9 December, noon. Tom Reynoldson, University of Alberta, will speak on "Biology of sewage treatment." G217 Biological Sciences Building

##### Centre for Criminological Research

9 December, 7:30 p.m. L. W. Kennedy, Director, Population Research Laboratory, Department of Sociology, will speak on "Chinese Penal Institutions." 14-6 Tory Building.

##### Canadian Institute of Ukrainian Studies

10 December, 7:30 p.m. Lubomyr Luciuk will speak on "The Galician Division: Its History and Migration." Heritage Lounge, Athabasca Hall.

### Music

##### Edmonton Gregorian Chant Choir

The choir meets every Monday evening, 7 to 8:30 p.m., 3-01 Rutherford Library South. No experience necessary. For more information, call St. Joseph's College, 433-1569.

##### Department of Music

3 December, 8 p.m. The University of Alberta Concert Choir and Madrigal Singers with Leonard Ratzlaff, conductor. Convocation Hall.

5 December, 3 p.m. The Edmonton Youth Orchestra with Michael Massey, conductor. Convocation Hall.

6 December, 8 p.m. A musical recital with Shelley Younge on the flute. Also appearing are Michael Massey, Colin Ryan, Steve Bryant, Sue Jane Bryant, and Diane New. Convocation Hall

6 December, 7:30 p.m. The University of Alberta Concert Band with Ernest Dalwood, conductor. Onaway High School.

7 December, 8 p.m. Debut Chamber Ensemble. Convocation Hall.

8 December, 8 p.m. Chamber Music Class Recital. Convocation Hall.

### 75th Anniversary Events

Until 19 December. *World Print III* Exhibition. Organized by the World Print Council, the California College of Arts and Crafts, and Osaka University of Arts. Circulated by the Smithsonian Travelling Exhibitions Service. Ring House Gallery.

Until 7 December. *Elsie Johnson*: MVA Exhibition. Ring House Gallery.

Until 5 December. Canada Cup Invitational Volleyball Tournament. Main Gym. (Pre-Universiade event).

3 to 4 December. Celebrations: The legacy of E. K. Broadus and F. M. Salter. AV Wing, Humanities Centre. 3 December, 12 noon. Readings with W. O. Mitchell (noon, L-1); Lovat Dickson (1 p.m., L-3); Robert Kroetsch (2 p.m., L-3); and Rudy Wiebe (3 p.m., L-3). 3 December, 8 p.m. Reminiscences, with George Baldwin as "M.C." L-1. 4 December, 2-4 p.m. Panel Discussion and "Meet-the-Author" session. L-1.

3 to 5 December. Faculty Open Houses: Arts, Law, and Library Science. For further information, please call 432-2325.

10 December, 8 p.m. Official Opening of Rebecca Aronyk: MVA Exhibition. Ring House Gallery.

##### Bruce Peel Special Collections Room

Until 5 January, 1983. "A Gallimaufry of 18th century books" (in honor of the Canadian Society for Eighteenth Century Studies). B-37 Cameron Library.

### Films

##### Department of German Language

8 December, 7:30 p.m. "Fidelio." Admission free. Arts 17.

### Radio and Television

##### Radio

Programs broadcast on CKUA radio 580 AM. 94.9 FM

3 December, 7:30 p.m. International Development. —"Non-Governmental Organizations."

4 December, 7 p.m. University Concert Hall—"Concerts, recitals and interviews with faculty and special guests of the Department of Music."

8 December, 7 p.m. Masks and Faces—"Cerebral Self."

8 December, 7:30 p.m. Extensions—"Instructors in the Faculty of Extension discuss their subject areas."

8 December, 7:45 p.m. Perspectives—"Issues underlying current events examined in lively debate format."

10 December, 7:30 p.m. International Development—"Women in the Third World"

##### Television

Programs broadcast on Q-9 and C-13.

6 December, 9 p.m. Islam in Focus.

8 December, 9 p.m. What So Ever Things Are True—"The history, the present and the work of Graduate Students at the University."

9 December, 9 p.m. Transplants—"Another advance of medical science in our lifetime."

### Sports

##### Basketball

7 December, 8 p.m. Golden Bears vs. Athletes in Action. Varsity Gym.

10 December, 8 p.m. Golden Bears vs. University of Winnipeg. Varsity Gym.

11 December, 8 p.m. Golden Bears vs. Montana Tech. Varsity Gym.

##### "Over 35" Hockey

Entry deadline for this event will be 9 December at 1 p.m. in the Men's Intramural Office, Physical Education and Recreation Centre. Team entries preferred but individuals will be placed on a team.

### Matters of Faith

Lutheran Campus Ministry Worship each Sunday at 10:30 a.m. in the Newman Centre, the west basement of St. Joseph's College. All are welcome.

8 December, 8 a.m. Faculty are invited to a continental breakfast, sponsored by The University of Alberta Chaplains. Faculty Lounge, St. Joseph's College

### Non-Credit Courses

#### Faculty of Extension

##### Applied Behavioral Sciences Division

For further information on the courses listed below, phone 432-5069.



**Managing Time at Work—Section B**  
*Date:* 3 December. *Time:* 9 a.m. to 4:30 p.m. *Fee:* \$50. *Instructor:* Tariq Bhatti.

**Communicating Effectively with 3 to 12 Year-Olds**

*Dates:* 4 and 5 December. *Time:* 9 a.m. to 4 p.m. *Fee:* \$45. *Instructors:* Lloyd Flaro and Marilyn Flaro.

**Understanding Blended Families**

*Dates:* 10 and 11 December. *Time:* 9 a.m. to 4 p.m. *Fee:* \$55. *Instructor:* Carroll Ganam.

**Business, Industrial and Professional Division**

**Manpower Planning**

*Dates:* 6 and 7 December. *Time:* 9 a.m. to 4:30 p.m. *Fee:* \$300. For further information, call 432-3037.

**Real Estate Division**

**Planning Law**

*Dates:* 6, 7 and 8 December. *Time:* 9 a.m. to 4:30 p.m. *Fee:* \$175. For further information, contact Lloy at 432-2912.

**Management Studies for Women**

**Career and Job Survival**

*Date:* 10 December. *Time:* 9 a.m. to 5 p.m. *Fee:* \$100. For more information, call 432-2230.

**Computing Services**

**Client Training Sessions**

*Computing Services is taking registrations between 8:30 a.m. and noon for the following non-credit courses. For further information, please telephone Information Services at 432-2261, or come to 352 General Services Building.*

**Introduction to Computing at the U of A**

*Course number:* 778. *Date:* 7 December. *Time:* 2 to 4 p.m. *Fee:* \$10. *Prerequisites:* No previous computing experience, but familiarity with a keyboard is required. *Place:* DECwriter Terminal Room, 315 GSB.

**Courier Operation and Visual Editing**

*Course number:* 814. *Date:* 7, 9 December. *Time:* 11 a.m. to 1 p.m. *Fee:* \$15. *Prerequisites:* "MTS and Editor Fundamentals" and a good working knowledge of the File Editor. *Place:* 327 GSB.

**MTS and Editor Fundamentals**

*Course number:* 798. *Date:* 7, 9 December. *Time:* 11 a.m. to 1 p.m. *Fee:* \$15. *Prerequisites:* "Introduction to Computing" or equivalent working knowledge of a DECwriter terminal and the MTS system. *Place:* 351 GSB.

**Introduction to Plotting**

*Course number:* 849. *Date:* 10 December - 10 a.m. to noon; 14 December - 1 to 4 p.m. *Fee:* \$20. *Prerequisites:* FORTRAN, basic MTS and Editor commands. *Place:* 315/351 GSB.

**Introduction to Text Formatting**

*Course number:* 838. *Dates:* 13, 15, 17, 20, 22, 23 December. *Time:* noon to 2 p.m. *Fee:* \$25. *Prerequisites:* "MTS and Editor Fundamentals," "MTS Overview," and a good working knowledge of the File Editor. *Place:* 315/351 GSB.

**Advanced SPIRES**

*Course number:* 847. *Dates:* 13, 15, 17, 20, 22 December. *Time:* 9:30 a.m. to 1 p.m. *Fee:* \$25. *Prerequisites:* "Introduction to SPIRES." *Place:* 315/357 GSB.

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**Notices**

**Selection Committee for Chairman of the Department of Family Medicine**

With the establishment of the Division of Family Medicine as a department it is now necessary to set up a selection committee with respect to the chairmanship. Would those persons interested in serving on this selection committee, or those who have suggestions for nominees, please contact the Secretary of the Nominating Committee, Mrs. P. Plaskitt, at 2-1 University Hall (432-4715).

**Campus Reviews**

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews, the *Department of Art and Design* is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee. In preparation for this second phase, PACCR invites written comment prior to 31 December 1982. Submission are for the use of the Unit Review Committee and will be held in confidence by the members of that committee. Submissions should be sent to: Mrs. L. Pearson, PACCR Office, W4-13 Chemistry Building, Attention: The Art and Design Unit Review Committee.

**Christmas Cards**

CANSAVE Christmas cards are available at the English Department Office, 3-5 Humanities Centre. Packets of ten are priced at \$3.50 and \$2. All proceeds will be directed to the Canadian Save the Children Fund.

**Cash Security and Crime Prevention Awareness Seminar**

In view of changing economic times and growth of the University, all departmental administrators and office staff involved with cash handling procedures, security, safety, and crime prevention, are encouraged to attend this seminar.

It will be presented by the City of Edmonton Police Department, in conjunction with Campus Security, Personnel, and the Comptroller's Office, on 8 December, 1982 at 1:30 p.m. in the Banquet room of Lister Hall.

The one and a half (1 1/2) hour presentation will be of utmost interest to departmental administrators and staff responsible for these areas.

To register and for further information, please contact Robert Goldbeck at 432-5384.

**Research Grants**

**Granting Agencies: Application Deadlines**

This list of deadline dates for submissions to granting agencies for research funds, exchange programs, and travel grants is published every month in *Folio*. In order to allow sufficient time for processing, all applications should reach the Office of Research Services at least ten days before the deadline date. Where other University resources are involved, the time requirement may be much longer than ten days and such applications should therefore be submitted well in advance. An extra copy of the application should be provided for the Office of Research Services.

Further information may be obtained by consulting the *Calendar of Granting Agencies for Research Funds, Exchange Programs, and Travel Grants*, which is available in the offices of Deans,

Directors of Institutes, Centres, and Schools, and Department Chairmen, or by phoning the Office of Research Services, 432-2002. Note: Although the *Calendar* is updated on a continuous basis, the following information could be subject to change without notice. If staff members have advance information on forthcoming changes, the Office of Research Services would appreciate being advised.

*Code:* (R) Research funds; (E) Exchange programs; (T) Travel grants. (*Calendar* source numbers are given in parentheses.)

Granting Agency	Deadline Date
(60) E Canada Council—Grants for Visiting Foreign Artists	15 Jan.
(61) R Canada Council—Explorations	15 Jan. 2 May 15 Sept.
(95) R Canada Mortgage and Housing Corporation	
\$ 3,500 Small Grant	28 Jan. 29 Apr. 29 July 28 Oct.
\$20,000 Grant	1 Mar. 16 Sept.
(210) R Imperial Oil Limited	15 Jan.
(396) E Social Sciences and Humanities Research Council—Exchange Program with France	1 Jan. 1 Sept.

**Scholarships, Fellowships and Awards**

**Emergency Planning Canada Research Fellowship**

*Donor:* AUCC. *Where tenable:* At any Canadian university by EPC/AUCC agreement. Currently, the Disaster Research Centre, Ohio State University, and the Institute of Environmental Studies, University of Toronto, are approved.

*Level:* Graduate. *Field:* 1) Open - All aspects of disaster and emergency studies (Canadian universities). 2) On human behavior under stress (Disaster Research Centre, Ohio). *Value:* \$10,000 (Cdn.) plus tuition and fees. In addition, married fellows will receive a supplementary allocation of \$2,000 (Cdn.) if the spouse resides with the Fellow in the location of the appropriate institution.

*Number:* One offered annually. *Duration:* For the duration of the program, or to a maximum of four years, whichever occurs first. *Conditions:* Preference given to Canadian citizens who hold a master's degree in Sociology, Geography, Political Economy, or Urban and Regional Planning; candidates with a first degree in an appropriate area of studies will also be considered; acceptance into a doctoral program is normally but not essentially a prerequisite. *Closing Date:* 1 February 1983. *Further information and application forms should be requested from:* Canadian Awards Officer, Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1

**Gulf Canada Limited Graduate Fellowships**

*Donor:* Gulf Canada Limited. *Where Tenable:* Any Canadian university or college which is a member of, or affiliated to a member of, the Association of Universities and Colleges of Canada. *Level:* Graduate. *Field:* Studies related to the petroleum industry in the fields of business management studies, computer sciences, mathematics, geology, geophysics, engineering, physics, chemistry,

ecology, and other related sciences. *Value:* \$8,000 to be paid to the successful candidate and \$1,000 to the relevant department of the receiving university in which the Fellow is registered. *Number:* Ten. *Duration:* One year. May re-apply the following year on recommendation of supervisor. *Conditions:* Canadian citizens or have held immigrant status for one year prior to submitting application; graduates of a Canadian university or college of AUCC agreement; achieved high level of academic excellence; may not hold any other awards in excess of \$3,000, nor undertake paid employment in the university unless such employment is approved by the supervisor of studies and does not exceed four hours per week including preparation time. *Closing Date:* 1 February 1983. *Further information and application forms should be requested from:* Canadian Awards Officer, Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1

**Telelobe Canada**

*Donor:* AUCC. *Where Tenable:* Any Canadian university or college which is a member, or affiliated to a member, of the Association of Universities and Colleges of Canada. *Level:* Graduate. *Field:* Engineering, Physics, Chemistry, Computer Science, Social Sciences, Law, Administration, etc. but must be directly related to international telecommunications. *Value:* \$6,500 for the successful candidate and \$1,000 for the relevant department of the receiving university in which the Fellow is registered. *Number:* One. *Duration:* One year but the winner may re-apply in the competition in the following year. *Conditions:* Canadian citizens or landed immigrants for one year; must be a graduate from a Canadian university or college of AUCC agreement; achieved a high level of academic excellence; may not hold concurrently any other awards in excess of a total value of \$3,500. *Closing Date:* 1 February 1983. *Further information and application forms should be requested from:* Canadian Awards Officer, Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1

**Department Of National Defence Post-Doctoral Fellowships In Military History**

*Donor:* AUCC. *Where Tenable:* Normally in Canada but permission may be granted to undertake research outside Canada. *Level:* Post-doctoral. *Field:* History with special relevance to the Canadian Armed Forces. May relate to any aspect of military history or related fields, including operations, policy, technology, and economic and social dimensions of armed forces national security. *Value:* \$10,500 annually. Research expenses up to a value of \$1,500 may also be considered. *Number:* No more than two in any year. *Duration:* One year. *Conditions:* Canadian citizens; must hold a PhD degree or equivalent level of knowledge or experience in the field; must not hold any other major award. *Closing Date:* 1 February 1983. *Further information and application forms should be requested from:* Canadian Awards Officer, Association of Universities and Colleges of Canada, 151 Slater Street, Ottawa, Ontario K1P 5N1.

**Positions Vacant**

*The University of Alberta is an equal opportunity employer but, in accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.*

### Contracts Administration Officer

Reporting to the Director of Administrative Services the Contracts Administration Officer will be responsible for the proper initiation of contracts to ensure the efficient, effective and legal utilization of contracts to acquire goods and services for major construction and renovation projects. Incumbent will work closely with project officers and managers within the Departments of Design and Construction and Physical Plant to ensure proper contracting procedures are developed and followed. He/She will assist in the preparation, acquiring, and awarding and in the administration of individual contracts. When disputes occur he/she will provide a primary resource to managers.

Candidates should have significant experience and training in the administration of construction-related contracts.

Salary range is \$27,211.00 to \$40,819.00 per year.

Further information may be obtained from 432-3387. Please submit applications/resumes to: Administrative Services Personnel, 563 General Services Building.

### Opportunity in Canada's North

Registered nurse required to participate in extensive epidemiologic study of health status in Northwest Territories. Will require commitment for extended periods of northern travel over next two years. Previous nursing experience in northern Canada desirable. Position requires successful candidate to be based in Edmonton. Please send resume and references to: Director, Boreal Institute for Northern Studies, Room CW401 Biological Sciences Building, The University of Alberta, Edmonton, Alberta, T6G 2E9. Salary commensurate with nursing experience.

### Non-Academic Positions

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. As positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 26 November 1982. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in P.S.S.R.

Medical Steno (\$1,373 - \$1,682)—Psychiatry Secretary (Trust) (\$1,373 - \$1,682)—Management Advisory Institute

Administrative Clerk (Part-time) (Term) (\$686.50 - \$841)—Pensions and Benefits Administration Departmental/Executive Secretary (\$1,548 - \$1,908)—Graduate Studies and Research

Pharmacist (Part-time) (\$954 - \$1,184)—University Health Service

Food Service Worker III (\$1,324 - \$1,616)—Housing and Food Services

Equipment Assistant II (\$1,373 - \$1,682)—Physical Education

Technician I (Trust) (\$1,426 - \$1,754)—Medicine Technician I (\$1,426 - \$1,754)—Home Economics

Technician I/II (Trust) (\$1,426 - \$1,992)—Physiology

Technician II/Technologist I (Trust) (\$1,616 - \$1,992)—Biochemistry

Technician II (Instrumentation) (\$1,616 - \$1,992)—Food Science

Nurse (Trust) (\$1,829 - \$2,265)—Pediatrics Technologist III (\$2,078 - \$2,581)—Genetics

Programmer/Analyst III (Trust) (\$2,472 - \$3,085)—Computing Science

Programmer/Analyst III (\$2,472 - \$3,085)—Computing Services

Instrument Mechanic (\$2,985)—Physical Plant (Utilities-Mechanical)

Controlsfitter (\$2,985)—Physical Plant (Building Maintenance)

Electrician (\$2,997)—Physical Plant (Electrical Utilities)

For vacant library positions, please contact the Library Personnel Office, 5th floor, Cameron Library (432-3339).

## Advertisements

Advertisements must reach the Editor by 3 p.m. on the Thursday prior to publication date which date also serves as the deadline for cancellation of advertisements. The cost of placing advertisements is 30 cents per word with no discount for subsequent insertions. There are no refunds. There is a maximum limit of thirty words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made. Advertisements cannot be accepted over the telephone

### Accommodations available

For sale—Parkallen bungalow, \$89,900. Rented at \$920/month. Call DeAnna Larson 481-0936. 436-5250. Spencer's.

For sale—"Rare find!" Over 1,800 sq. ft. close to University. Only \$109,000. Call DeAnna Larson 481-0936. 436-5250. Spencer's.

For sale—Prices slashed for quick sale. Windsor Park \$129,500 - Parkdale \$105,000 - Glenora \$84,500 - City Centre Condo \$75,000. Resi Richter 483-9432. A.E. LePage.

Renting—Riverbend—The Courtyard.

Townhomes. Double attached garages. Three bedroom. Fireplace. Two baths. Main floor laundry. Exceptionally large master bedroom and ensuite. Helen Patterson 436-3050

For rent—Two bedroom apartment. \$395/month. Close to University, Southgate. Available immediately. 435-5410.

For rent—One bedroom apartment, furnished/unfurnished. 10011-116 St. Bus from door to University. 20 Dec. \$415. 432-4104, 488-2113.

For sale—Quarter section - Telfordville. Ski, fish, farm your own land. 60 acres cultivation, 100 acres forest, meadows, strawberry creek. Excellent access. Call Darwin Park, home 962-4224, bus. 423-5822.

For sale—Belgravia. Quiet location, large lot, four bedroom semi, two baths, updated kitchen, open fireplace, developed basement. Reina Proudfoot Royal Trust. 435-4869, 436-2556.

### Accommodations wanted

Wanted! Three bedroom home, quiet street (Belgravia). Up to \$120,000. DeAnna Larson 481-0936. 436-5250. Spencer's.

Rental Wanted—1,200+ sq. ft. (Ottewell, Holyrood, Gold Bar, Hardisty, etc.) For approximately six months—or "Rent to purchase." DeAnna Larson 481-0936, 436-5250. Spencer's

Wanted—To rent or to buy. Three bedroom house in Windsor Park. 455-4692 after 6 p.m.

### Automobiles and others

1980 Chev Impala, four door, 305 V-8 automatic transmission, PS., PB., vinyl roof, tan interior. 62,000 km. Mint Condition. \$4,600. 484-1083 Visiting professor, leaving mid-December, selling 1973 Dodge Monaco, very good body, engine, tires. 432-3583, 426-6541.

### Goods for sale

Unique, handwoven Christmas gifts. Open House sales 5 and 12 December, 1-5 p.m. Private

showings by appointment. Custom orders taken until 12 Dec. Weaving by Dayna, 434-4407. 4002-120 St.

Man's Russian Wedge Grey Persian Lambswool hat. 6 7/8. \$100/offers. 432-4537 Bev.

Ray Salt will show recent wildlife water colors at his home until mid-December, 439-0964.

### Services

Donnic Word Processing. Specializing in theses, manuscripts, etc. 8315A-105 St 432-1419.

Singing teacher, Eileen Turner 439-4661.

General Carpentry Work—Renovations, 434-9709 evenings.

Relief from backache, stress, tension. The Krieg Clinic provides specialized medical massage and chirogymnastic. Fully qualified and German trained. Gift certificates available. Maria Krieg C.P.H.T 436-8059, 11627-75 Ave.

Windsor Park Co-operative Playschool has vacancies, weekday mornings, 433-8141, 439-9339.

Will type term papers, theses, etc. \$1.25 per page. Catherine 922-4517.

Waldorf Parkallen School annual Christmas fair, 4 December, 11 - 4 p.m. Tearoom, chamber group, children's activities, quality crafts, baking for sale. 6303-112 St. Welcome.

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